Tue Oct 30 2007 15:56:50

FIG. 1

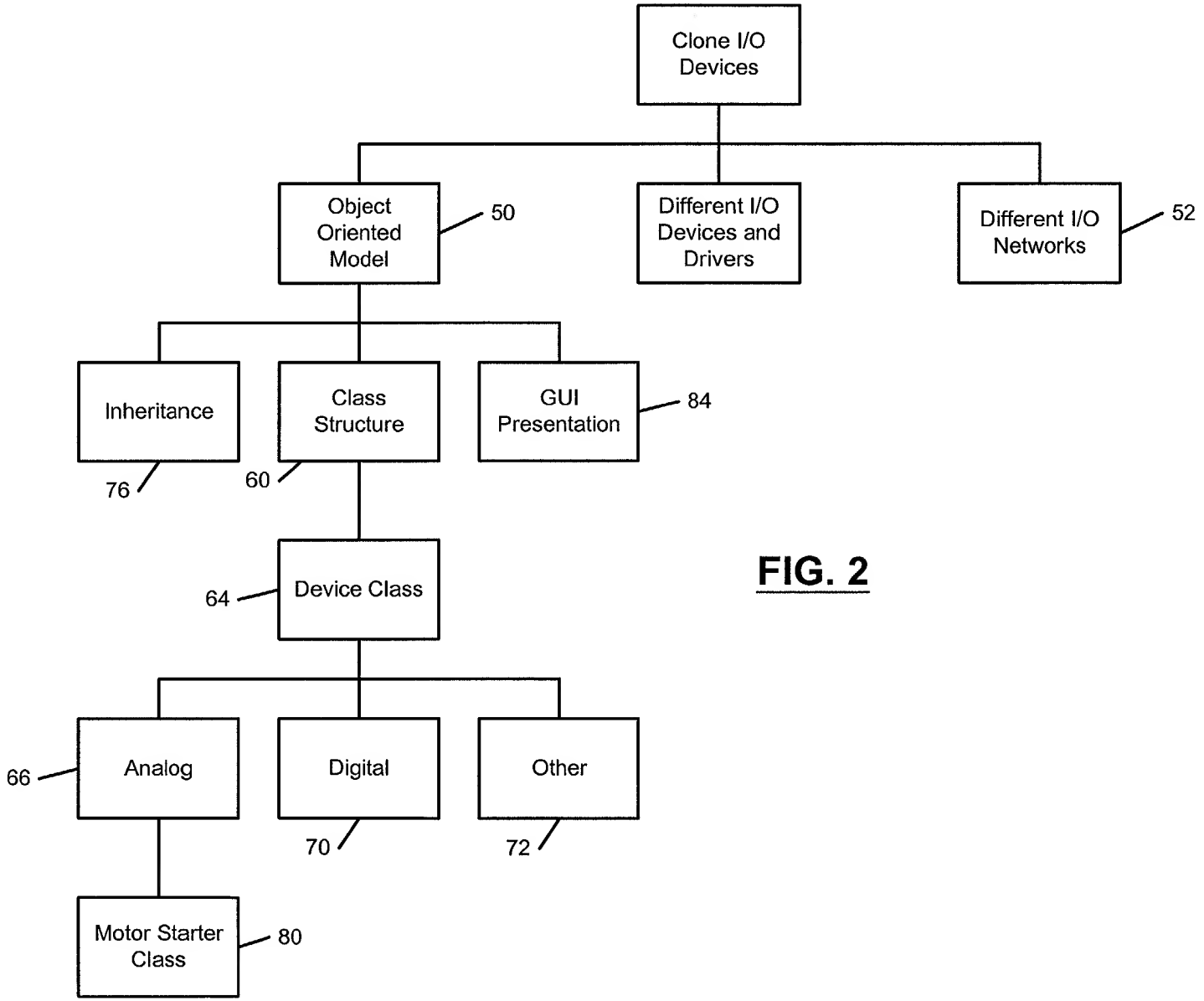

Clone I/O Devices
Object Oriented Model
50
Different I/O Devices and Drivers
Different I/O Networks
52
Inheritance
76
Class Structure
60
GUI Presentation
84
64
Device Class
66
Analog
Digital
70
Other
72
Motor Starter Class
80

FIG. 2

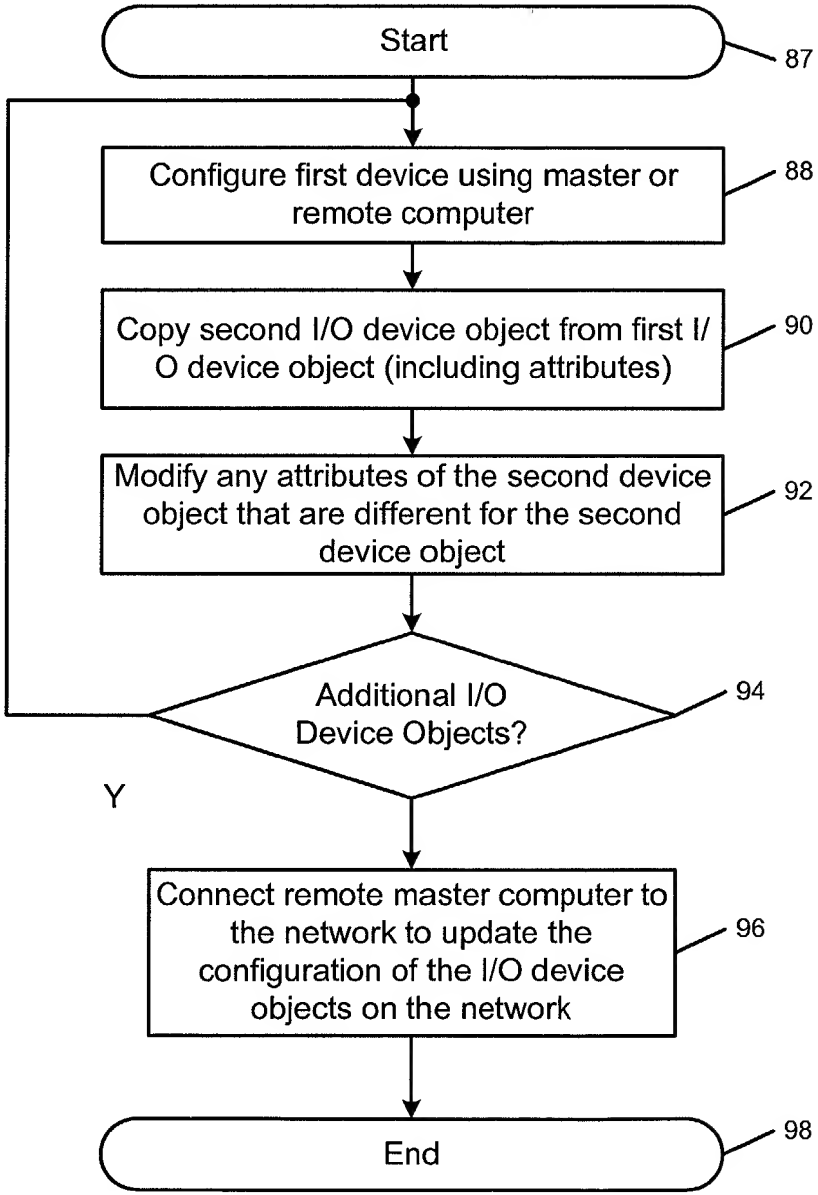
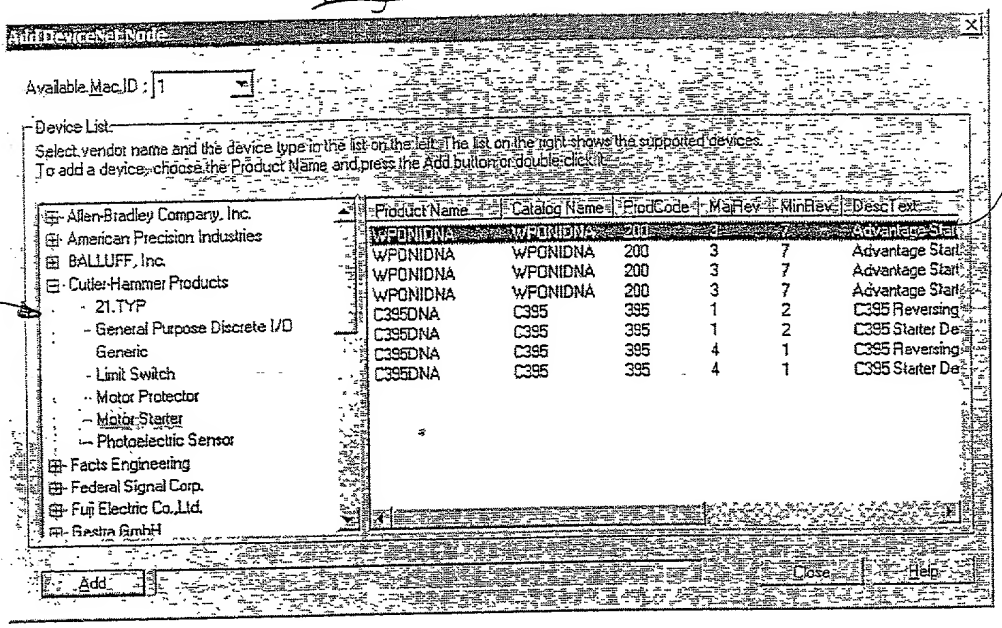

Start
87
Configure first device using master or remote computer
88
86
Copy second I/O device object from first I/O device object (including attributes)
90
Modify any attributes of the second device object that are different for the second device object
92
Additional I/O Device Objects?
94
Y
Connect remote master computer to the network to update the configuration of the I/O device objects on the network
96
End
98

FIG. 3

Fig. 4



Using above dialog user adds a new device. Then select the device and go to the configure parameter dialog as displayed below.

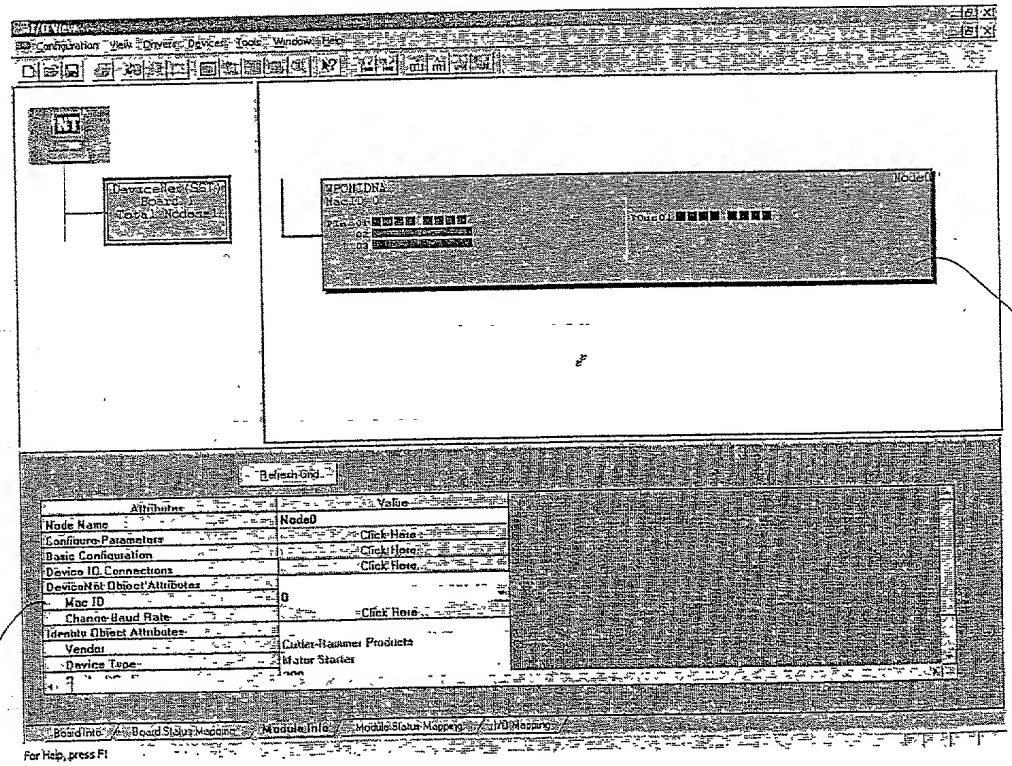
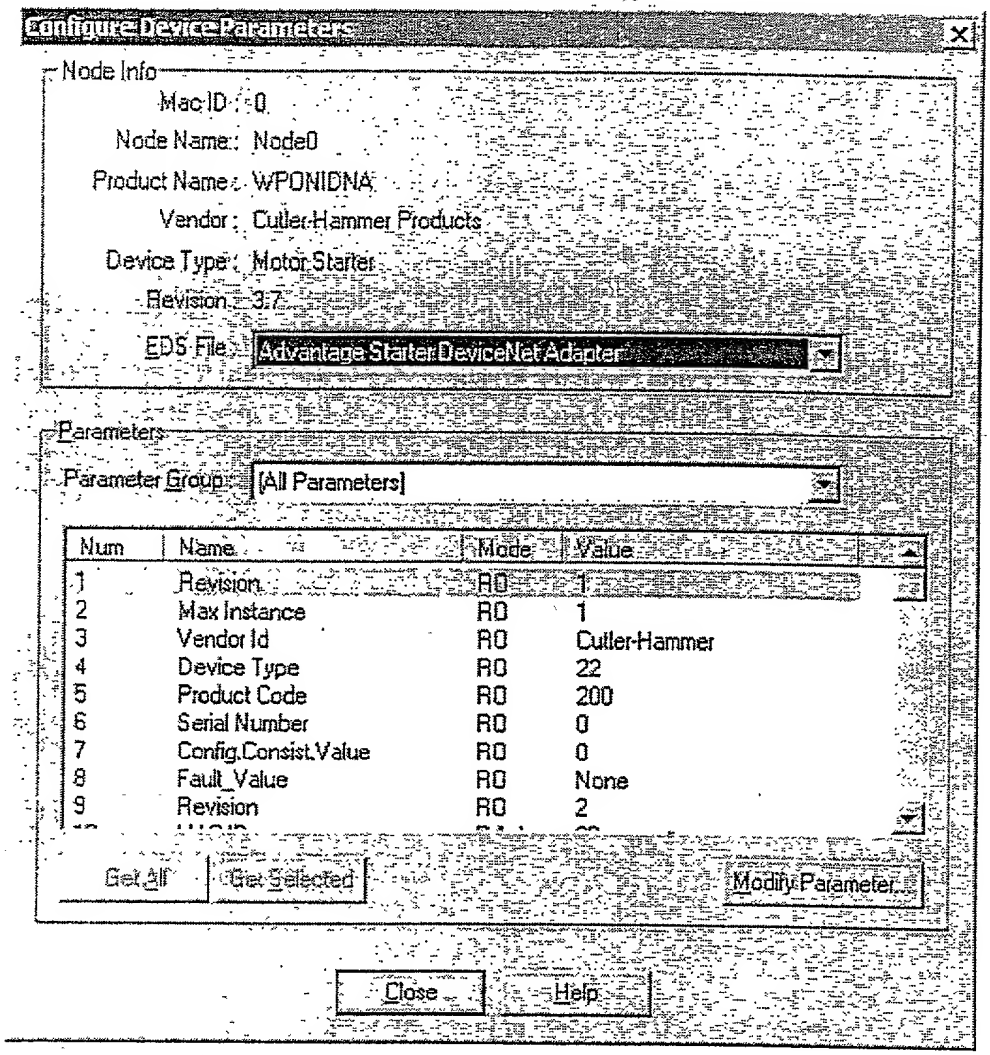


Fig. 5

Fig. 6


Configure Device Parameters
Node Info
Mac ID : 0
Node Name : Node0
Product Name : WPONIDNA
Vendor : Cutler-Hammer Products
Device Type : Motor Starter
Revision : 3.7
EDS File : Advantage Starter DeviceNet Adapter
Parameters
Parameter Group : [All Parameters]
Num
Name
Mode
Value
1 Revision RO 1
2 Max Instance RO 1
3 Vendor Id RO Cutler-Hammer
4 Device Type RO 22
5 Product Code RO 200
6 Serial Number RO 0
7 Config.Consist.Value RO 0
8 Fault_Value RO None
9 Revision RO 2
Get All
Get Selected
Modify Parameter...
Close
Help

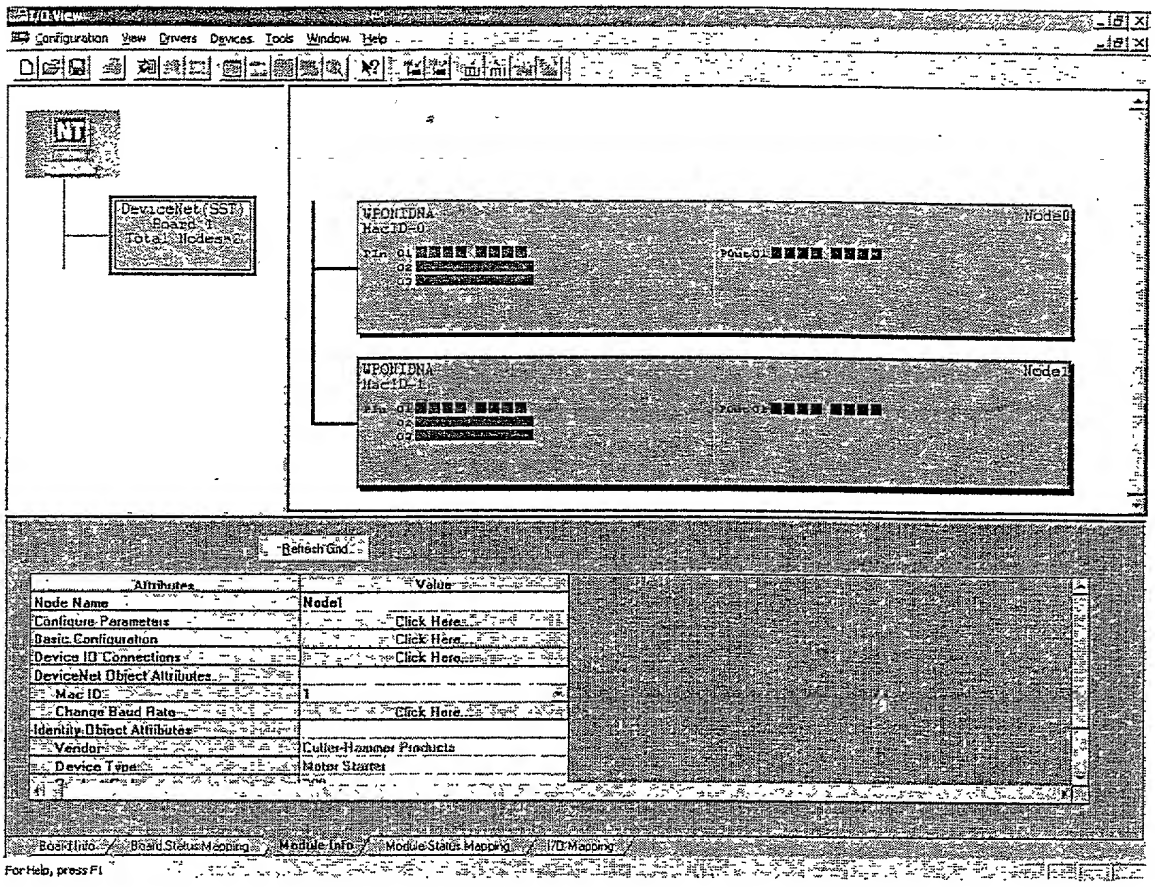

I/O View
Configuration View Drivers Devices Tools Window Help
NT
DeviceNet (SST)
Board 1
Total Nodes: 2
1FONIDNA
Mac ID=0
Node0
Node1
Refresh Grid
Attributes
Value
Node Name
Node1
Configure Parameters
Click Here
Basic Configuration
Click Here
Device IO Connections
Click Here
DeviceNet Object Attributes
Mac ID
1
Change Baud Rate
Click Here
Identity Object Attributes
Vendor
Cutler-Hammer Products
Device Type
Motor Starter
Board Info
Board Status Mapping
Module Info
Module Status Mapping
I/O Mapping
For Help, press F1

Fig. 7

Browse for Windows NT Computer
Select the appropriate computer:
Network Neighborhood
Entire Network
Build-live
Build-studio
En-adam
En-arnett
En-bartson
En-battey
En-bellas
En-bonnell
En-boulter
En-brandow
En-bridges
En-brink
OK
Cancel

FIG. 8

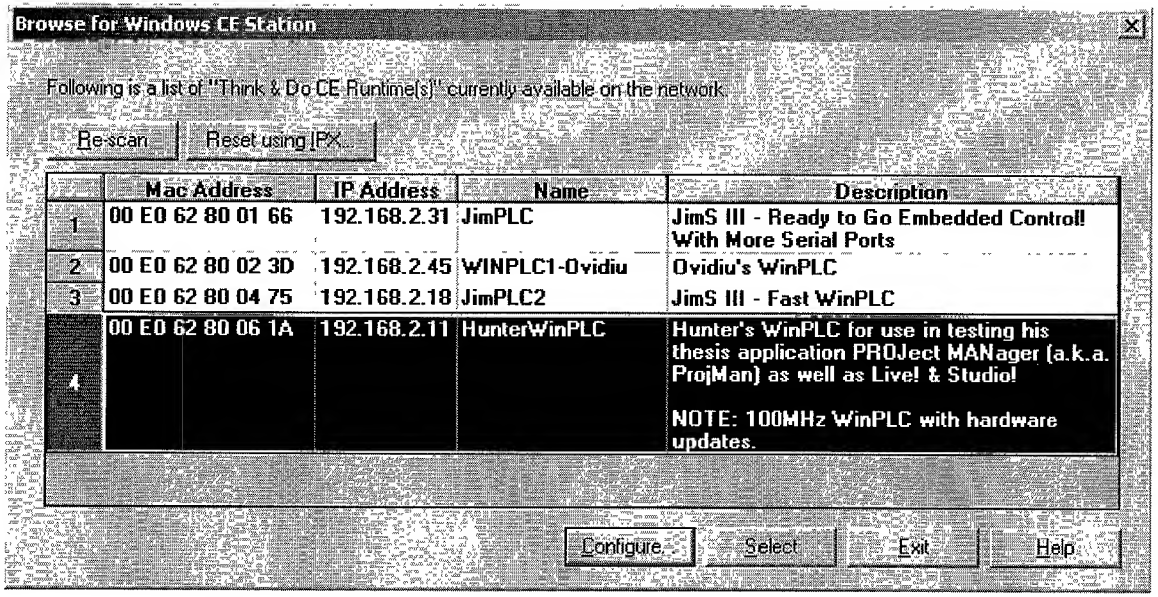

Browse for Windows CE Station
Following is a list of "Think & Do CE Runtime(s)" currently available on the network
Re-scan
Reset using IPX...
Mac Address
IP Address
Name
Description
1
00 E0 62 80 01 66
192.168.2.31
JimPLC
JimS III - Ready to Go Embedded Control! With More Serial Ports
2
00 E0 62 80 02 3D
192.168.2.45
WINPLC1-Ovidiu
Ovidiu's WinPLC
3
00 E0 62 80 04 75
192.168.2.18
JimPLC2
JimS III - Fast WinPLC
4
00 E0 62 80 06 1A
192.168.2.11
HunterWinPLC
Hunter's WinPLC for use in testing his thesis application PROJect MANager (a.k.a. ProjMan) as well as Live! & Studio!
NOTE: 100MHz WinPLC with hardware updates.
Configure...
Select
Exit
Help

FIG. 9

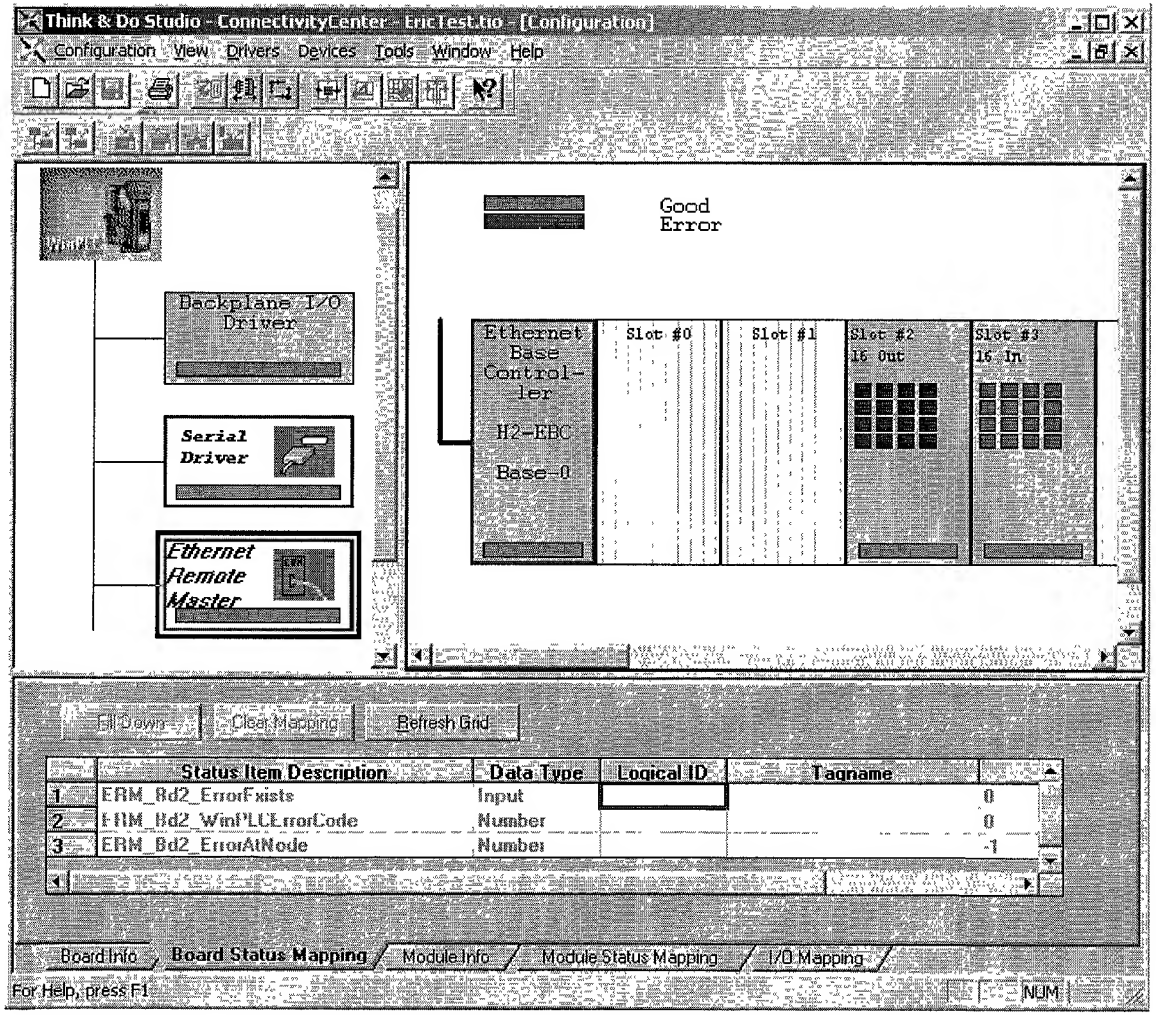

Think & Do Studio - ConnectivityCenter - EricTest.tio - [Configuration]
Configuration View Drivers Devices Tools Window Help
Backplane I/O Driver
Serial Driver
Ethernet Remote Master
Good
Error
Ethernet Base Controller
H2-EBC
Base-0
Slot #0
Slot #1
Slot #2
16 Out
Slot #3
16 In
Fill Down
Clear Mapping
Refresh Grid
Status Item Description
Data Type
Logical ID
Tagname
1 ERM_Bd2_ErrorExists Input 0
2 ERM_Bd2_WinPLCErrorCode Number 0
3 ERM_Bd2_ErrorAtNode Number -1
Board Info
Board Status Mapping
Module Info
Module Status Mapping
I/O Mapping
For Help, press F1
NUM

FIG. 10